

FIG. 1

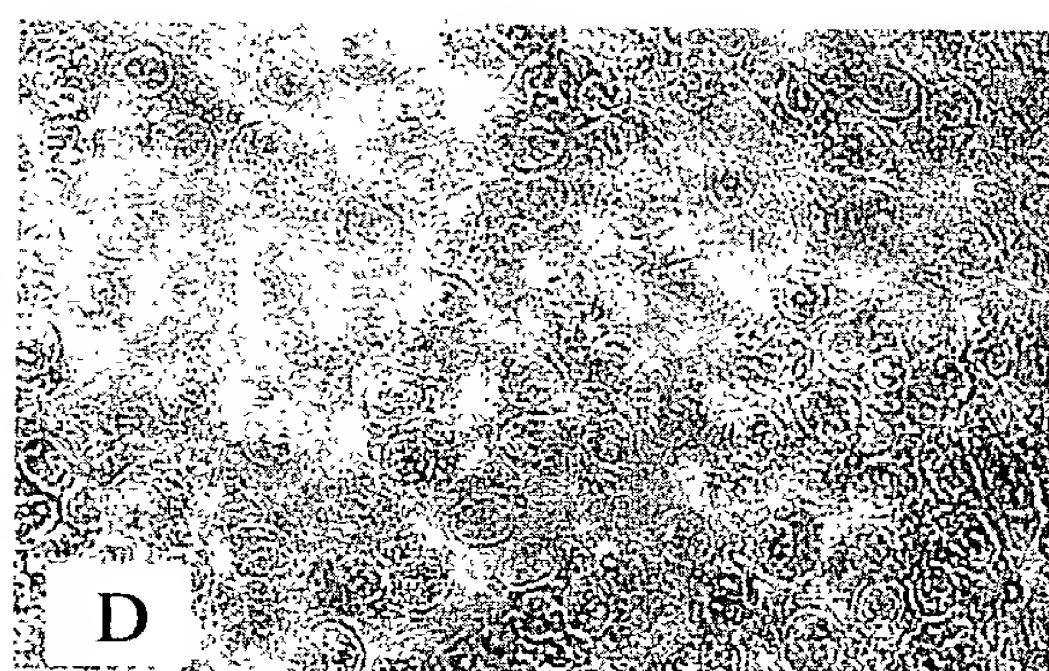
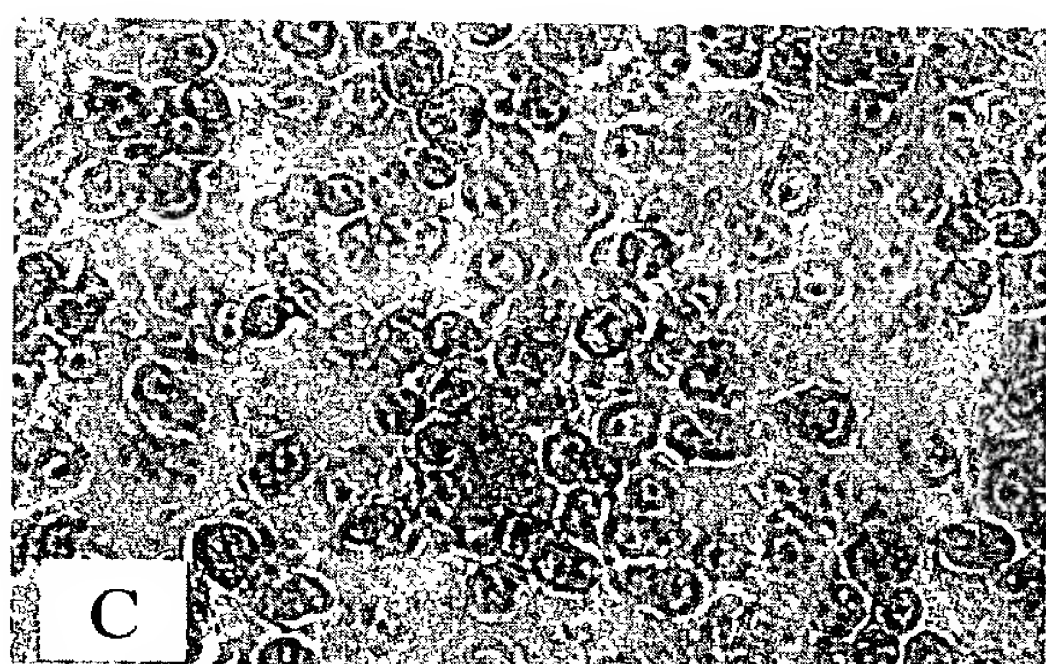
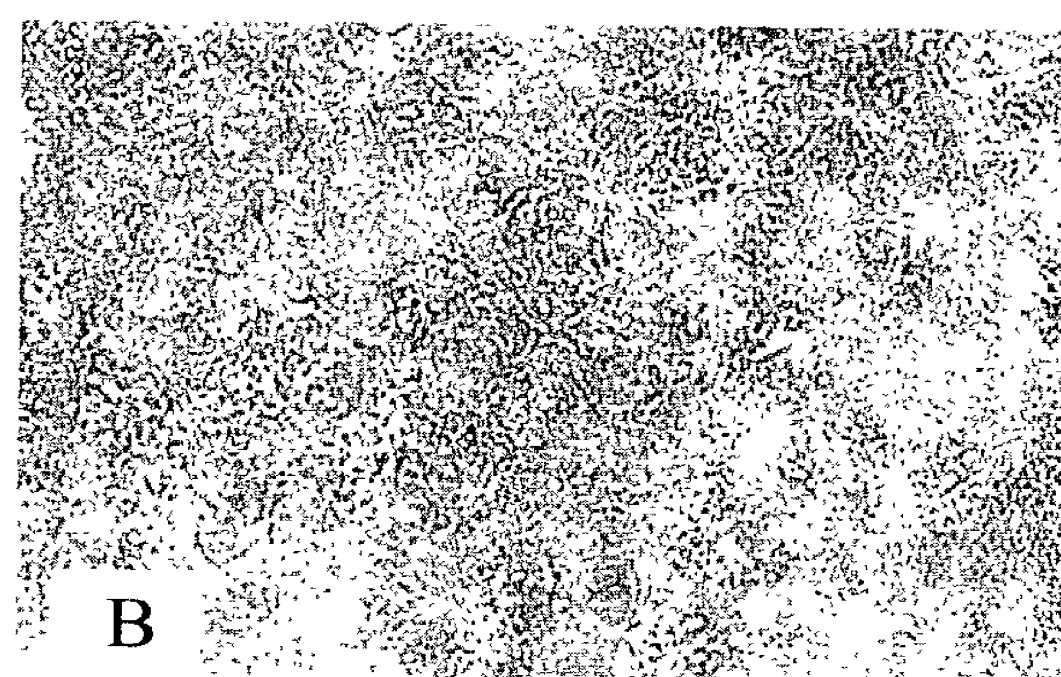
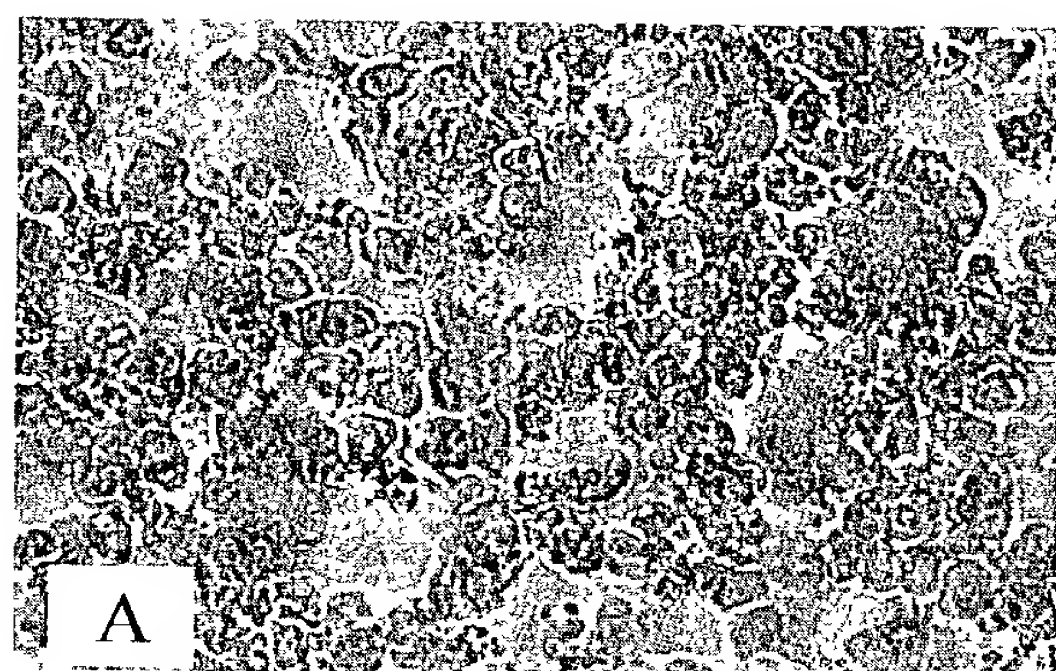


FIG. 2

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1  ccgagcgtgc ccgcggcgct gcccctcctc ggggagctgc cccggctgct gctgctgggtg
61  ctgttgtgcc tgccggccgt gtgggggtgac tgtggccttc cccagatgt acctaatgcc
121  cagccagctt tggaaggccg tacaagtttt cccgaggata ctgtaataac gtacaaatgt
181  gaagaaagct ttgtgaaaat tcttggcgag aaggactcag tgacctgcct taagggcatg
241  caatggtcag atattgaaga gttctgcaat cgtagctgcg aggtgccaac aaggctaaat
301  tctgcatccc tcaaacagcc ttatatcact cagaattatt ttccagtcgg tactgttgtg
361  gaatatgagt gccgtccagg ttacagaaga gaaccttctc tatcaccaaa actaacttgc
421  cttcagaatt taaaatggtc cacagcagtc gaattttgta aaaagaaatc atgccctaata
481  ccgggagaaa tacgaaatgg tcagattgat gtaccagggtg gcatattatt tgggtgcaacc
541  atctccttct catgtaacac aggggtacaaa ttatttgggt cgacttctag tttttgtctt
601  atttcaggca gctctgtcca gtggagtgac ccgttgccag agtgcagaga aatttatttgt
661  ccagcaccac cacaattga caatggaata attcaagggg aacgtgacca ttatggatat
721  agacagtctg taacgtatgc atgtaataaaa ggattcacca tgattggaga gcactctatt
781  tattgtactg tgaataatga tgaaggagag tggagtggcc caccacctga atgcagagga
841  aaatctctaa cttccaaggt cccaccaaca gttcagaaac ctaccacagt aaatgttcca
901  actacagaag tctcaccaac ttctcagaaa accaccacaa aaaccaccac accaaatgct
961  caagcaacac ggagtacacc tgtttccagg acaaccaagc attttcatga aacaacccca
1021  aataaaggaa gtggaaccac ttcagggtact acccgtcttc tatctgggca cacgtgtttc
1081  acgttgacag gtttgcttgg gacgctagta accatggggt tgctgactta gccaaagaag
1141  agttaagaag aaaatacaca caagtataca gactgttcct agtttcttag acttatctgc
1201  atattggata aaataaatgc aattgtgctc ttcatttagg atgctttcat tgtctttaag
1261  atgtgttagg aatgtcaaca gagcaaggag aaaaaaggca gtcctggaat cacattctta
1321  gcacacctgc gctcttgaa aatagaacaa cttgcagaat tgagagtgat tcttttcta
1381  aaagtgtaag aaagcataga gatttgttcg tattaagaat gggatcacga ggaaaagaga
1441  aggaaagtga tttttttcca caagatctga aatgatattt ccacttataa aggaaataaaa
1501  aaatgaaaaa cattatttgg atatcaaaag caaataaaaa cccaattcag tctcttctaa
1561  gcaaaattgc taaagagaga tgaccacatt ataaagtaat ctttggctaa ggcattttca
1621  tctttccttc gggtggcaaa atattttaaa ggtaaaacat gctgggtgaac caggggtgttg
1681  atgggtgataa gggaggaata tagaatgaaa gactgaatct tcttttggtg cacaatataga
1741  gtttggaataa agcctgtgaa aggtgtcttc tttgacttaa tgtctttaaa agtatccaga
1801  gatactacaa tattaacata agaaaagatt atatatattt tctgaatcga gatgtccata
1861  gtcaaatttg taaatcttat tcttttgtaa tattttattta tattttattta tgacagtga
1921  cattctgatt ttacatgtaa aacaagaaaa gttgaagaag atatgtgaag aaaaatgtat
1981  ttttcctaaa tagaaataaaa tgatcccat ttttgggt

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FIG. 3A

PSVPAALPLLGELPRLLLLVLLCLPAVWGDCGLPPDVPNAQPAL
 EGRTSFPEDTVITYKCEESFVKIPGEKDSVTCLKGMQWSDIEEFCNRSCEVPTRLNSA
 SLKQPYITQNYFPVGTVVEYECRPGYRREPSLSPKLTCLQNLKWSTAVEFCKKKSCPN
 PGEIRNGQIDVPGGILFGATISFSCNTGYKLFGSTSSFCLISGSSVQWSDPLPECREI
 YCPAPPQIDNGIIQGERDHYGYRQSVTYACNKGFTMIGEHSIYCTVNNDEGEWSGPPP
 ECRGKSLTSKVPPTVQKPTTVNVPTTEVSPTSQKTTTKTTTPNAQATRSTPVSRTTKH
 FHETTPNKSGTTS GTTRLLSGHTCFTLTGLLGTLVTMGLLT

FIG. 3B

A

1 ccgctgggcg tagctgcgac tcggcgggagt cccggcggcg cgtccttggt ctaaccgggc
 61 gcgccatgac cgtcgcgcg cagagcgtgc ccgcggcgct gccctcctc ggggagctgc
 121 cccggctgct gctgctgggt ctggtgtgcc tgccggccgt gtgggggtgac tgtggccttc
 181 ccccagatgt acctaatgcc cagccagctt tggaaggccg tacaagtttt cccgaggata
 241 ctgtaataac gtacaaatgt gaagaaagct ttgtgaaaat tcctggcgag aaggactcag
 301 tgatctgcct taagggcagt caatggtcag atattgaaga gttctgcaat cgtagctgcg
 361 aggtgccaac aaggctaaat tctgcatccc tcaaacagcc ttatatcact cagaattatt
 421 ttccagtcgg tactgttggt gaatatgagt gccgtccagg ttacagaaga gaaccttctc
 481 tatcaccaaa actaacttgc cttcagaatt taaaatggtc cacagcagtc gaattttgta
 541 aaaagaaatc atgccctaat ccgggagaaa tacgaaatgg tcagattgat gtaccagggtg
 601 gcatattatt tgggtgcaacc atctccttct catgtaacac agggtagaaa ttattttggct
 661 cgacttctag tttttgtctt atttcaggca gctctgtcca gtggagtgac ccgttgccag
 721 agtgcagaga aatttattgt ccagcaccac cacaattga caatggaata attcaagggg
 781 aacgtgacca ttatggatat agacagtctg taacgtatgc atgtaataaa ggattcacca
 841 tgattggaga gcactctatt tattgtactg tgaataatga tgaaggagag tggagtgggc
 901 caccacctga atgcagagga aaatctctaa cttccaaggt cccaccaaca gttcagaaac
 961 ctaccacagt aaatgttcca actacagaag tctcaccaac ttctcagaaa accaccacaa
 1021 aaaccaccac accaaatgct caagcaacac ggagtacacc tgtttccagg acaaccaagc
 1081 attttcatga aacaaccca aataaaggaa gtggaaccac ttcagggtact acccgtcttc
 1141 tatctggttc tcgtcctgtc acccaggctg gtatgcggtg gtgtgatcgt agctcactgc
 1201 agtctcgaac tcctgggttc aagcgatcct tccacttcag cctcccaagt agctgggtact
 1261 acagggcaca cgtgtttcac gttgacaggt ttgcttggga cgctagtaac catgggcttg
 1321 ctgacttagc caaagaagag ttaagaagaa aatacacaca agtatacaga ctgttcctag
 1381 tttcttagac ttatctgcat attggataaa ataatgcaa ttgtgctctt catttaggat
 1441 gctttcattg tctttaagat gtgttaggaa tgtcaacaga gcaaggagaa aaaaggcagt
 1501 cctggaatca cattcttagc acacctacac ctcttgaaaa tagaacaact tgcagaattg
 1561 agagtgatcc ctttcctaaa agtgtaagaa agcatagaga tttgttcgta tttagaatgg
 1621 gatcacgagg aaaagagaag gaaagtgatt tttttccaca agatctgtaa tgttatttcc
 1681 acttataaag gaaataaaaa atgaaaaaca ttatttggat atcaaaagca aataaaaacc
 1741 caattcagtc tcttctaagc aaaattgcta aagagagatg aaccacatta taaagtaatc
 1801 tttggctgta aggcattttc atctttcctt cgggttggca aaatatttta aaggtaaaac
 1861 atgctgggtg accaggggtg ttgatgggtg taagggagga atatagaatg aaagactgaa
 1921 tcttcctttg ttgcacaaat agagtttgga aaaagcctgt gaaagggtgc ttctttgact
 1981 taatgtcttt aaaagtatcc agagatacta caatattaac ataagaaaag attatatatt
 2041 atttctgaat cgagatgtcc atagtcaaat ttgtaaatct tattcttttg taatatttat
 2101 ttatatattat ttatgacagt gaacattctg attttacatg taaaacaaga aaagttgaag
 2161 aagatatgtg aagaaaaatg tatttttcct aaatagaaat aaatgatccc attttttggt

B

MTVARPSVPAALPLLGLPRLLLLVLLCLPAVWGDCGLPPDVPN
 AQPALGRTSFPEDTVITYKCEESFVKIPGEKDSVICLKGSQWSIDIEFCNRSCEVPT
 RLNSASLKQPYITQNYFPVGTVEYECRPGYRREPSLSPKLTCLQNLKWSTAVEFCKK
 KSCPNPGEIRNGQIDVPGGILFGATISFSCNTGYKLFGSTSSFCLISGSSVQWSDPLP
 ECREIYCPAPPQIDNGIIQGERDHYGYRQSVTYACNKGFTMIGEHSIYCTVNNDEGEW
 SGPPPECRGKSLTSKVPPTVQKPTTVNVPTTEVSPTSQKTTTKTTTPNAQATRSTPVS
 RTTKHFHETTPNKGSGTTS GTTRLLSGHTCFTLTGLLGTLVTMGLLT

FIG. 4